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- ☒ 1. Document ID: US 6159914 A Relevance Rank: 99

L3: Entry 2 of 2 File: USPT Dec 12, 2000

US-PAT-NO: 6159914

DOCUMENT-IDENTIFIER: US 6159914 A

TITLE: Detergent cosmetic compositions and use thereof
comprising an aminosilicone and a cationic polymer

DATE-ISSUED: December 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
DeCoster; Sandrine	Epinay sur Seine	N/A	N/A		FRX
Beauquey; Bernard	Clichy	N/A	N/A		FRX

US-CL-CURRENT: 510/119; 510/121, 510/122, 510/123, 510/125,
510/242, 510/426, 510/466, 510/490, 510/504

ABSTRACT:

Novel detergent compositions comprising, in a cosmetically acceptable medium, (A) a washing base comprising at least one ether sulphate anionic surfactant and at least one surfactant of alkylbetaine type, and (B) a conditioning system comprising at least one cationic polymer, preferably dimethyldiallylammonium, and at least one aminosilicone, and uses thereof.

39 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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- ☒ 2. Document ID: US 6234618 B1 Relevance Rank: 99

L3: Entry 1 of 2 File: USPT May 22, 2001

US-PAT-NO: 6234618DOCUMENT-IDENTIFIER: US 6234618 B1

TITLE: Ink absorbing body, ink tank, ink-jet cartridge and ink-jet printing apparatus

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamamoto; Hajime	Yokohama	N/A	N/A	JPX
Shimizu; Eiichiro	Urawa	N/A	N/A	JPX
Matsuo; Keisuke	Yokohama	N/A	N/A	JPX
Arashima; Teruo	Kawasaki	N/A	N/A	JPX
Hinami; Jun	Kawasaki	N/A	N/A	JPX
Takahashi; Wataru	Yokohama	N/A	N/A	JPX

US-CL-CURRENT: 347/86

ABSTRACT:

An ink absorbing body stores an ink injected into an ink tank for an ink-jet with capillary force between fiber. On a surface of said fiber before filling the ink, a surfactant is deposited within a range of 0.002 to 0.2 wt % relative to a weight of the ink or in a range of 0.01 to 0.5 wt % relative to a weight of the fiber.

22 Claims, 26 Drawing figures Exemplary Claim Number: 5
Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KIMC	Draw Desc	Image
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- ☐ 1. Document ID: US 4245004 A Relevance Rank: 99

L1: Entry 1 of 1 File: USPT Jan 13, 1981

US-PAT-NO: 4245004

DOCUMENT-IDENTIFIER: US 4245004 A

TITLE: Ethoxylated polytetramethylene glycols as fiber lubricants

DATE-ISSUED: January 13, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Login; Robert B.	Woodhaven	MI	N/A	N/A
Newkirk; David D.	Trenton	MI	N/A	N/A

US-CL-CURRENT: 428/394; 252/8.84, 427/393.1, 428/361, 428/395, 568/617, 568/623

ABSTRACT:

There are disclosed block copolymer lubricants for synthetic textile fibers which are compounds derived from tetramethylene oxide (tetrahydrofuran) and ethylene oxide of the formula:

Y--(CH.sub.2 --CH.sub.2 --CH.sub.2 --CH.sub.2 --O--)--(C.sub.2 H.sub.4 O)--H].sub.x

wherein Y is the residue formed by the removal of x atoms of active hydrogen from an initiator having a total of not more than 20 carbon atoms and free of elements other than carbon, hydrogen, and oxygen, preferably said initiator is selected from the group consisting of water, alkylene glycols, polyalkylene glycols, alkanols, phenols, and alkyl phenols; x is an integer of 1 to about 5; n is an integer such that the total tetramethylene oxide residue weight, n x, is about 90 to about 10 percent by weight of the total ethylene oxide residue weight; m is an integer such that the ethylene oxide weight, m x, is about 10 to about 90 percent by weight of the total oxyalkylene weight; and the molecular weight of the tetramethylene oxide residue, n x, is about 500 to about 6000. The block copolymer fiber lubricants of the invention are especially useful as lubricants for synthetic fibers such as polyester, polyamide, polyacrylic fibers and mixtures thereof. The fiber lubricants of the invention generally have unexpectedly superior lubricity and oxidation stability in

unexpectedly superior lubricity and oxidation stability in comparison with the ethoxylated polypropylene glycol block copolymer fiber lubricants of the prior art.

5 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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